

# **MVC (Model-View-Controller) BASED MULTI-MODAL AUTHORING TOOL AND DEVELOPMENT ENVIRONMENT**

## **ABSTRACT OF THE DISCLOSURE**

Application development tools and method for building multi-channel,  
5 multi-device and multi-modal applications, and in particular, to systems and methods for  
developing applications whereby a user can interact in parallel with the same information  
via a multiplicity of channels and user interfaces, while a unified, synchronized views of  
the information are presented across the various channels or devices deployed by the user  
to interact with the information. In a preferred embodiment, application frameworks and  
10 development tools are preferably based on a MVC (Model-View-Controller) design  
paradigm that is adapted to provide synchronized multi-modal interactions.  
Multi-channel authoring can be developed using a similar methodology.